



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1931

NOVEMBER, 2021
VOLUME 74, ISSUE 3

INSIDE THIS ISSUE

MONTHLY PROGRAM	1
BOARDZ BUZZ	2
CALENDAR OF EVENTS	2
EDUCATION	3
ELMERS	4
PUBLIC SERVICE REPORT	5
PROFESSORS Pic(k)s	6
HAM QUIPS	6
DECEMBER RAFFLE PRIZES	6
MEMBERSHIP	7
AUCTION INFORMATION	8
PUMPKIN PATROL QSO PARTY	9
CQ BOO	9
ANNUAL ARRL SET 2021	10
TURN, TURN, TURN	11
FATHER & SON DX CONTACT	12
RAGS OF THE PAST	13
VE TEAM	15
RAA CALENDAR	16
NEWS FROM AREA CLUBS	17
AMATEUR'S CODE	19
RAG ARTICLE LAYOUT HINTS	20
RAA OFFICERS	21
AREA CLUB CONTACTS	22
AUCTION FORM	23

2021 RARA ANNUAL AUCTION - IN PERSON ONLY

SCOTT THEIS, W2LW, RARA VICE PRESIDENT

It's been two years, so it is really time to dust off the equipment you no longer love or get ready to find a new treasure! The RARA Annual Auction is coming Wednesday, November 3RD. The entire November meeting will be dedicated to the auction; in fact, we'll be opening the doors early at 6:00PM to let sellers bring in the treasures they're hoping to go home without. At 6:30 members not selling can begin perusing the items to see them up close before they hit the auction block starting at 7:00. If you are not selling any items, please don't arrive before 6:30.

We will be providing stickers that you can use as you browse items. Place a marker on an item if you are interested in it. We will be using the markers to adjust the order of auctioned items to move things along a little faster and make things more interesting.

Our auctioneer will be Ed Gable, K2MP, back at it again using his knowledge and humor to help sellers get top dollar for their items. We are also looking for someone to help auction and for pickers and runners. If you would like to give it a try, please email me at vicepresident@rochesterham.org.

The auction is a members-only event, so please renew your membership online if you haven't already. Our president and membership secretary, Tim Barrett, K9VB, will be at the entrance checking membership and helping members renew if they were unable to do so in advance.

Please bring up to three items you have that are radio related and that you feel may be of interest to a fellow ham. Each item should be clearly labeled with three important pieces of information: (1) Your name & call; (2) A description (is it working?); and (3) Your desired starting price. Attached to the Rag is a form you can use (which is also [available on the club's website](#)).

Procedural notes: **Sellers:** Please bring a piece of cardboard to put under any item that could scratch the tables. Also, please note that the club will benefit by keeping 10% of the final sale price. **Buyers:** Be aware that we can only accept cash. All items are sold "as is". Complete procedural information is provided on page 8.

Please join in the fun! Even if you have nothing to sell! This is a great event and a nice way to spend an evening. Wednesday November 3RD, 2021 — doors open at 6:00PM for sellers, 6:30 to review, 7:00 start. We will be trying to wrap up around 10:00PM. COVID precautions remain in place! We ask that only vaccinated members attend.

Meeting at the BSA, 2320 Brighton-Henrietta Townline Road, Brighton, NY 14623. Dual online/in-person meetings will return in December.

K2JD

N2EH

W2EOC



RARA



BOARDZ BUZZ

SCOTT THEIS, W2LW, RARA VICE PRESIDENT

What a Year

It has been a year since I had the opportunity to fill this page with my thoughts. Many things have changed, some good, some bad. It is hard to imagine any person or any organization that has not been impacted by COVID. In fact, sometimes it is easy to forget that there have been far too many folks that paid the ultimate price in contracting this scourge. Fortunately for me, it has not touched close to home.

As a club, we have adapted. What was once the meeting presentation of last resort, the remote presentation has turned out to be the standard in an online format. It has given us the ability to have many presenters that I would not have thought possible where the remote presenter is just another attendee.

Now, as things have loosened up a bit, in October we have finally had a live in-person meeting with joint online participation. The technical execution of the dual meeting has been a topic that received a fair amount of discussion at the board level. In the end, the simple method for the first session worked pretty well, except for an audio loop problem with video from the presenter. Ironically, we tested playing videos to check the setup both a week earlier and just prior to the commencement of the meeting. However, with a different computer for the presenter, Murphy stepped in to remind us we were doing something new!

New Audio System

In my 2020 article, I described our efforts at a long-term plan for audio. The Board established a subcommittee with the task of recommending a new audio system that the club would own. We set forth requirements such as working in a small environment like the BSA, possible Academy usage, and also usage at our hamfest. A budget was set, and equipment was selected and approved.

It was decided that since we were not having live meetings at that time we could wait and see if sale pricing popped up or maybe a better deal could be had. Who knew then that we would have supply chain shortages across the board for everything from video cards to radios and ... audio gear. So, we are getting some pieces now, swapping a few things for alternates and waiting for items on backorder. Hopefully, it will be ready for the December meeting.

Special thanks to Tim Guyout (KB1POP) for spearheading and managing this project.

In addition, we are looking into live video options — some simple, some a little more complex. This should improve the experience for the remote attendees. We are still working on how this might work, so, if you attended the October meeting remotely, I would like to hear your comments.

Help!

As I mentioned in 2020, if you're interested in becoming the A/V person, we will be happy to get you started. It is an important task!

I have been coordinating and managing the online meetings, and continue to do so for now. We just need someone to set up, run and teardown the gear.

Presenters and Presentations

This will be my third year as Vice President with a break last year with Brian O'Connor (KA2CGB) filling the role. Aside from filling in for the President as needed, the primary task of the VP is to organize the presentation portion of the monthly meetings.

The VP role can be challenging. I could use help on two fronts: first, what does the membership want to see, learn and experience? I have always tried to have topics that are either directly or indirectly related to ham radio, our roles as hams, emergencies and community service, and anything electronic technology related.

Over the past few years, what have you enjoyed, disliked or maybe would like to see? Please e-mail me at vicepresident@rocheserham.org.

Second, presenters and presentations...

Certainly there are folks reading this with special skills or focus within the hobby that others in the club would be interested in. The use of tools and techniques, interest and application of technology is as wide as the spectrum we are granted to operate in.

Won't you consider sharing your experiences by providing us with a presentation? I know there are many topics I would be interested in, such as antenna modeling software or electronic circuit emulation. In addition, there are a lot of canned presentations available from other clubs which could be used as the basis of a presentation.

I find performing presentations to be fun and rewarding; maybe you will too!

Again, send me a note. If you're a little power-point shy, I can help you along and give you some tips. One more thing that the new remote world gives us is an easier way to comminate, collaborate, and just lend a helping hand.

CALENDAR OF EVENTS

WEDNESDAY NOVEMBER 3, 2021 - RARA Annual Auction
7:00 PM - IN-PERSON

THURSDAY NOVEMBER 4, 2021 - RARA Board of Directors Meeting
6:30PM ON LINE
Email request for link to secretary@rochesterham.org

SATURDAY NOVEMBER 20, 2021 - VE TESTING
10:00AM Rochester Institute of Technology, Bldg 16
Schmitt Interfaith Center, Skalny Room
See page 17 for details



EDUCATION

Karl Heinz Kremer, K5KHK, Education Coordinator

RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

We are now halfway through the fall classes for Technician and General licenses. It's not too early to plan for the winter session: We will again try to offer a Technician and a General class. Given how popular the Zoom classes have been for the last year, and the fact that we can draw our students from a slightly larger area, I am planning on teaching via Zoom again. Classes will start the week of January 10th:

The **Technician** license class will be taught by Karl Heinz Kremer – K5KHK – and will be on Tuesday evenings from 6pm to about 8pm, starting on 1/11/2022.

The **General** license class will be taught by Freddy Sulyma – WB2GFZ – and will be on Thursday evenings from 6:30pm to about 8:30pm, starting on 1/13/2022.

We are again not able to provide an Extra license class, but we are working on a "Amateur Extra Without the Math Anxiety" workshop specifically about the math part of the Extra curriculum. This will be three or four sessions. The details are still being worked out, but if you are interested, please let us know.

Classes are free to RARA members, and if you would like to sign up, please send an email to education@rochesterham.org. License manuals are available for \$25 – if you are interested, in a manual, please also send an email to education@rochesterham.org.

As far as the Technician License goes, keep in mind that the question pool, and with that the license manual and the class curriculum will change on July 1st 2022. If you've been working on getting the Technician license, now is a good time to start working on this again, otherwise you will have to deal with a new set of questions.

RARA ELMERS CORNER

Suzanne Bishopp, W2SUZ

Rich Bishopp, KD2UBJ

Elmers Corner Coordinators

We are so glad to be back in the swing of things! Fall is chugging right along, but we are still taking time out to camp and of course, enjoy the many parks New York has to offer us while playing radio with Parks On The Air. Before you know it, it will be November and we will be gathering again at the Saturday morning Elmer's Corner! - November 6th 10am-12pm

The last Elmer's Corner meeting was great! We learned all about the fantastic Public Service opportunities that RARA has for hams like us. We also talked a little about a few other general items, such as how close to the end of the band is too close! One of my favorite topics was logging software. I could really learn more about this, as I am still looking for the best software to keep all of my contacts in one place. Right now, I just use excel, and of course HAMRS for PO-TA...but I know there are much better ways of keeping these records all in one place. If you have any ideas, comments, or questions on this topic, please join us the first Saturday in November! This is going to be an open general Q&A meeting, so bring all of your questions, or tips and tricks and anything else you would like to share! You can submit questions early if you would like, this way we can give our Elmers a chance to prepare. Submit those early questions to: elmerscorner@rochesterham.org.

Elmer's Corner is for ALL hams! Beginners like me, W2SUZ, and for hams that have years of experience.

If you have a specific topic you would like to learn more about, please let us know. We will do our best to find the right Elmer to present on the topic and get the answer to your questions.

Thanks, and see you at the November Elmer's Corner!

NOVEMBER ELMERS CORNER

Saturday, November 6th from 10AM – 12PM

Join Zoom Meeting

[https://us02web.zoom.us/j/83484674667?](https://us02web.zoom.us/j/83484674667?pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09)

[pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09](https://us02web.zoom.us/j/83484674667?pwd=MG5DZXd6SFovN3lXa0NNTzM5UnBLUT09)

Meeting ID: 834 8467 4667

Passcode: 786545

RARA ACADEMY WORKSHOPS

We are still looking for somebody to coordinate our RARA Academy sessions. Please see last month's edition of the RARA Rag for more information, or send an email to education@rochesterham.org if you have specific questions.

MORSE CODE TRAINING

DAVE WILSON, WA2HOY, RXCWG COORDINATOR

The RXCW Group assists Hams wanting to learn Morse Code or to develop their CW skills.

BEGINNERS MORSE CODE ZOOM CLASSES

Peter Fournia, W2SKY, hosts Morse Code classes on Thursday evenings 7pm. No experience required.

Join the group at any session.

Register at: pfournia@gmail.com

MORSE PRACTICE FOR ALL LEVELS ON ZOOM

Tim Brown, WB2PAY, hosts code practice for all levels on Wednesday evenings at 7pm.

Register at: tjbrown@rochester.rr.com

MORSE PRACTICE ON AIR

Tim Brown, WB2PAY, hosts on air practice on Tuesdays at 2PM on 6M at 50.250MHz.

W1AW - <http://www.arrl.org/w1aw-operating-schedule>

Time	Mon	Tue	Wed	Thu	Fri	
9 AM		Fast	Slow	Fast	Slow	SLOW - 5, 7 1/2, 10, 13 and 15 wpm
4 PM	Fast	Slow	Fast	Slow	Fast	FAST - 35, 30, 25, 20, 15, 13 and 10 wpm
7 PM	Slow	Fast	Slow	Fast	Slow	FREQ(MHz) - 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555
10 PM	Fast	Slow	Fast	Slow	Fast	

W1AW Code Practice MP3 Files: <http://www.arrl.org/code-practice-files>

To set up a cw sked, contact Peter at pfournia@gmail.com or Tim at tjbrown@rochester.rr.com

CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	w2ned@frontiernet.net
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Pete Fournia	W2SKY	Penfield	pfournia@gmail.com
Bill Hopkins	AA2YV	Brighton	whopkin4@naz.edu
Bob Karz	K2OID	Webster	rkarz@rochester.rr.com
Joe Rowe	AG2Y	Webster	ag2y@rochester.rr.com
Harry Williams	KF2TV	Webster	harryw7872@gmail.com

RADIO ELMERS

Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Dave Carlson	N2OA	Batavia	kdcarlso@gmail.com
Lawrence Hill	N2AJX	Henrietta	lawrence.hill@rit.edu
Rich Hoffarth	K2AXP		rhoffarth2000@yahoo.com
Bill Kasperkoski	WB2SXY	Pittsford	wb2sxy@gmail.com
Don Kiser	AC2EV	N Greece	dkiser100@gmail.com
Karl Heinz Kremer	K5KHK	Chili	k5khk@khk.net
Tim Magee	WB2KAO	Greece	585-704-5747
Mike Moore	KC2NM		mikemoore@ieee.org
Peter Schuch	WB2UAQ	Perinton	pschuch@rochester.rr.com
Forest Shick	WA2MZG	Webster	fshick3@gmail.com
Dave Timmons	W2DST	N Greece	dstimmons@gmail.com
Steve Verzulli	KA1CNF		verzulli@yahoo.com
Dan Waterstraat	W2DEW	Henrietta	higreen@rochester.rr.com

PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

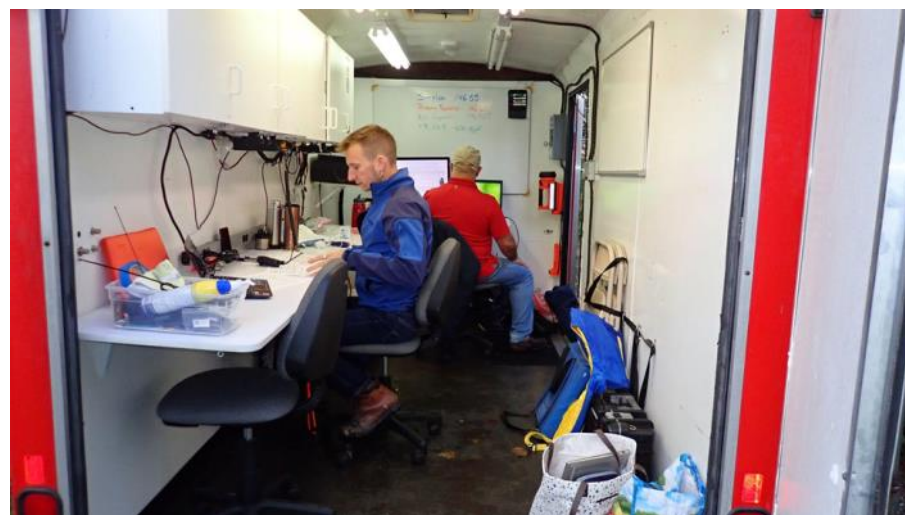
Fairport Liftbridge Regatta Results

RARA provided event communications for the Fairport Liftbridge Regatta on Saturday September 25. The organizer for this event is the Fairport Crew Club. The **Fairport Crew Club** provides opportunities for youth grades 6-12 to learn to row and be part of a competitive rowing team. FCC also offers Summer Youth and Adult rowing opportunities.

The Liftbridge Regatta is held on the canal in Perinton and the course map is shown to the right. Rowers enter the canal at the FCC boathouse located near the Rt. 31F bridge. The boats then row to the start line near the 490 canal crossing in Busnell's Basin. From the start line, the race course follows the canal north to the finish line located at the Rt. 31F bridge. Hams are located at the start and finish lines, on the water in a boat, and at each of the safety monitor posts along the course. The race command post is located in the ARES trailer next to the FCC boat house. Race conditions are reported, and logged by net control using a directed net. Other communications jobs include shadowing race officials, advising recreational boats to stay to one side of the course, and monitoring the position of the Colonial Belle excursion boat. Communications team members included AB2NM, K4GWA, K9SUB, KB1POP, KC2KYB, KC2NLD, KC2NM, KC2PCD, KC2UES, KC2UWD, KC2VJU, WA2TAX, WB2PAY, and WM2W. Thanks to Mark Pedersen, KC2UES for his excellent work as team captain for the Fairport Liftbridge Regatta.



We are working with the Rochester Museum and Science Center to determine if the Holiday Science and Technology program will be held this year.



Please mark your calendars for our upcoming RARA Public Service Events

Pumpkin Patrol	Overpasses of the New York State Thruway	Saturday & Sunday	Oct. 30-31, 2021
Holiday Science & Technology Days	Rochester Museum & Science Center	Monday - Wednesday	Dec. 27-29, 2021
2022 ADA Tour de Cure	Xerox Campus, Webster	Saturday	June 11, 2022

PROFESSOR'S PIC(K)S

JEFF SONSTEIN, KD2RRB

[Decode NOAA APT Weather Satellite Images](#)

[Solar Panel RFI](#)

[Opcode Mnemonics That Should Be True](#)

[Sense User Interaction](#)

[A Tesla Coil Quartet](#)

[Nerdy Birthday Card](#)

[A Light-Up Tree of Life](#)

[A Little Graphics Library](#)

DECEMBER RAFFLE PRIZES

- Logbook
- Soldering Station
- HT Antenna

**No November Raffle because of the
Auction**

Coming in January

- Small Scope

HAM QUIPS "Holy Ham Heaven Cemetary"



"Who Said You Cant Take It With You?"

Dick Sylvan, W9CBT, is a very accomplished ham radio cartoonist and his work appeared previously in the K9YA Telegraph and also appears in the NAQCC Newsletters. His book "HI - HI - A Collection of Ham Radio Cartoons" is available at www.lulu.com

Membership – Time to Renew!

- Over 570 members at the End of September
- Sixth largest ARRL affiliated club
- Memberships Lapsed on October 1st
- Renew or join now at:
<https://www.rochesterham.org/>
- If you have a problem renewing, please email us at:
membership@rochesterham.org



RARA MEMBERSHIP

TIM BARRETT, K9VB. RARA PRESIDENT AND MEMBERSHIP SECRETARY
membership@rochesterham.org

I am pleased to report that we ended the membership year with over 570 fully paid up members.

Having a strong membership is a great help in attracting good speakers and negotiating resources for the club. I will be shortly writing to the ARRL to report our club size as required for all ARRL affiliated clubs. Currently we are in the top 6 of national ARRL affiliated clubs according to ARRL statistics which is quite an achievement. Being part of such a large and successful club should be a source of pride to all our members.

On September 30th our membership year ended and so we are now back into

renewals season. Some of you have already renewed for the 2021 / 2022 season, thanks for doing that so promptly.

If you have not renewed yet please take a moment now to go to the [renewals page](#) and get your membership up to date. If you don't recall your access code there is an option on that page to have it emailed to you. You can pay by credit card (you do not need a Paypal account) or there is an option to pay by mailing a check. Those of you reading this who are not members, or have allowed membership to lapse a while ago, please consider joining / rejoining [here](#).

Annual rates are very reasonable, \$15 for a full member (\$10 for Seniors) and \$10 for Associate members without a callsign. Associates get a free upgrade to full member when they get their ticket. Also note that you can join family members living in the same household as you for just \$5 per additional person.

Don't Delay, Renew Today!

2021 AUCTION INFORMATION

The Annual RARA Auction will start at 7:00PM on Wednesday, November 3rd.
Schedule of events:

- 5:45PM – Volunteers set-up room for the auction.
- 6:00PM – Doors open for Members to stage their sale items.
- 6:30PM – Buyers are invited to inspect the auction items.
- 7:00PM – Start of auction.

Note: RARA will NOT be offering refreshments at this meeting. Only bottled water is permitted in the meeting room.

Sellers

Look around your *Shack, Workbench, Closet or Garage* for that *Radio, Antenna, Tuner, Tool, Test Instrument or Accessory* that another ham can put to good use. Take the time to wipe it down and to test it. *Leave the junk box at home.* Only ham radio related items, please.

Because space is limited, please limit yourself to *2 or 3 sale items per Member.*

Complete the *Auction Item Description* form before the meeting. Print it from this *Rag* or download it from <https://www.rochesterham.org>

Once an item is placed for inspection it cannot be removed from the auction for a private same-day sale.

The Seller's Premium (commission) is 10% of sale amount, which will be rounded to the nearest dollar; minimum commission per item is \$1.

This Carry In, Carry Out: If your item doesn't sell then you must take it home.

Buyers

Each item auctioned is a private sale between the individual parties. RARA equipment is sold on an "as-is where-is" basis.

Cash sales only. All sales are final. The cashier will settle all transactions in whole dollars.

Members Only

With social distancing rules in force, we must adopt a strict members-only policy this year. Everyone needs to check in at the Membership desk. To avoid delays on Auction night just Sign Up or Renew your Membership on-line at:

https://www.rochesterham.org/membership_data.aspx



Each Member will be given *Item Interest Tokens* (stickers) upon check-in. If you are interested in a particular item, then attach one (or more) of your tokens to the *Item Description Form* before the auction begins. Those items with more tokens may be brought up for auction sooner than later.

Hazmat

Some Ham stuff can be hazardous. We need to protect the facility as well as everyone handling items. So, don't bring anything that is leaking or will leave a stain.

Items containing potentially hazardous materials such as mercury (older rectifier tubes), PCBs (older capacitors), beryllium (high power tubes) or lead (solder, lead-acid batteries) must not contaminate the facility. Any potential hazmat item must be contained in a clear zip-lock bag or in a plastic bucket, tote or similar container.

Finally...

Come and have fun!

PPQP: THE PUMPKIN PATROL QSO PARTY (OCTOBER 30 AND 31)

Ev Tupis, W2EV

In "days of yore", there seemed to be plenty of shenanigans on the night before and of Halloween. Hardly a year would go by without hearing reports of pumpkins being dropped from bridges onto the roads below, resulting in significant safety concerns.

Amateur Radio's Public Service "DNA" came to the rescue with: The Pumpkin Patrol. Each year, volunteer Amateur Radio operators donate time on each of two nights to oversee strategic Thruway bridges across the region. The result? To the delight of law enforcement agencies, there have been significantly fewer "bridge-based shenanigans".

Amateur radio volunteers begin their bridge-shifts after nightfall and stay alert until around 11 PM, checking-in to a repeater "net control" every half-hour and are empowered to report any abnormal activity immediately to 911.

Still, it isn't always easy to remain alert through this entire period. That's where the rest of us can help!

Introducing: the 2nd running of the Pumpkin Patrol QSO Party; a 1-hour on-the-air activity designed for fun with the purpose of helping these volunteers stay as alert as possible. We can participate from the comfort of our own homes!

On both Saturday, October 30 and Sunday, October 31 from 9PM until 10PM, activate on 146.52, .55 and/or 146.58 SIMPLEX (not a repeater) and make contact with as many "Bridgies" as you can. Home stations supply their callsign and Grid4 and ask for the "Bridgies" Callsign, county and bridge number. Example:

Home Station: CQ PPQP, this is W2EV.

Bridgie: W2EV, this is K1PY. I'm on Monroe #2.

Home Station: Roger, K2PY this is W2EV. I'm in FN03.

It's just that easy!

This is not a contest. The only guidelines are: (1) only QSO's with bridge-deployed volunteers count and (2) QSO's can be repeated each night (the contacts that you make on the first night be re-contacted on the second).

Home stations are encouraged to keep a log and to send it to W2EV@yahoo.com. If I receive enough logs, results will be tabulated for a future RARA Rag.

Let's all show support for the Pumpkin Patrol volunteers on October 30 and 31! Join the PPQP at 9 PM each night.

"CQ BOO CQ BOO CQ BOO"

DAVE WILSON, WA2HOY

Halloween is once again on the horizon. With all the past months of still keeping your distance from people, avoiding crowded places, wearing masks, is it any wonder you might be starting to feel like...a zombie?

If that's the case, what better way to show the ham radio world what kind of zombie you are and to have some fun over Halloween than by participating in...The Zombie Shuffle!

This is a CW, QRP contest held from 1600 to Midnight your local time. While this seems like a sprint, it's actually a contest designed for slow operating speeds. Why a Zombie Shuffle? Because, as it says on the web page, "zombies don't sprint."

The bands are on 20, 40, and 80 meters, around the QRP portions of the band. The mode is CW and QRP only. Exchange is RST, State, Province, or Country, and, unique to this contest, your Zombie number. For your Zombie number you can use either your telephone 3 digit area code, or you can apply for a special Zombie Number from the Grand Wichest. Last, and certainly not least, your name, the one on your birth, or death, certificate.

So what else makes this different than your usual contest? It's the Rebirth Rule! You can rework the same station on a band after two hours. After all, Zombies never stay dead for long.

The "CQ BOO" at the start of this article is the way you call other folks for this contest.

There are also bonus points that you can earn during the Zombie Shuffle. The bonus for this year's contest will be for contacts with the Bonus Stations sending 2021. Why 2021? Because 2021 has been "...yet another boring and uneventful year."

If you're new to CW, or your skills have gotten rusty, or you're looking for a bit of operating fun geared to the season then give this event a try.

This year the contest will be on Friday, October 29, 2021. You can get details about the event as well as information about scoring and other details at <http://www.zianet.com/grp/ZOMBIE/pg.htm>

The Zombie Shuffle web page is at: <http://www.zianet.com/grp/>

ANNUAL ARRL SIMULATED EMERGENCY TEST 2021

JON DICKASON N2JAC

MONROE COUNTY ARES/RACES EMERGENCY COORDINATOR

The SET is ARRL's primary national emergency exercise and is designed to assess the skills and preparedness of ARES volunteers. Saturday 10/2 I set up one of Monroe county's portable HF rigs (Icom 7000) and a 23 foot fiberglass multiband vertical at the Red Cross John Street south patio area. The Icom tuner is mounted at the base of the antenna and tunes automatically or at the touch of a button. It took about 30 minutes to set up and tuned every band we tried (80-6) and did allow us to contact several users on multiple bands. Although it's not specifically an NVIS antenna, we did manage to make contact with Orange County NY ARES/RACES in the lower Hudson Valley. We easily checked in with western PA's emergency management net on 3.993.5. We tried a couple other nearby freqs and did make some NY contacts.



Weather started cool and breezy and warmed nicely later on. The patio has several picnic tables, and net control opened their table umbrella for some shade. Everyone brought go-kits or HTs. We did have AC power for the Icom rig, but net control was run with portables on batteries.

On 6 meters we worked WB2PAY. Paul KD2DO was in Syracuse working at the MARS station. He heard us on HF but was unable to play with us due to his MARS obligations.

Jake KD2UWD started the net on our 61 repeater and worked it most of the morning, filling out ICS forms and also bringing Bill KD2WSJ up to speed on how to run a net and his first time on HF. Jim W2COP was there to help with HF ops. Our simulated emergency was a chemical spill that necessitated opening shelters in Ogden WB2PAY, Greece K4GWA, Webster KC2KNJ and Brighton K2DPC. Shelters reported in with numbers of residents, requests for supplies, and weather reports. We passed an ICS213 message to the shelters.

We wrapped up soon after noon. I think we all had fun and it was great practice, especially for the new hams. This was a great test of our gear and procedures away from our shacks, and we'll have many more to come.



Silent Key

Paul Jason Kolacki

K2FX

September 9, 2021

TO EVERYTHING TURN, TURN, TURN

(PETE SEEGER)
FOREST SHICK, WA2MZG

Turn up the volume.
Turn to a different frequency.
Turn on the light.
Turn this. Turn that.

Sometimes you need a knob on a shaft to “turn”. Especially when rehabilitating old radios – sometimes a knob is missing. You must hunt for a replacement or use whatever is available.

Wait for it –

There is another solution – 3D print a suitable replacement knob.

In early-September Bill Hopkins, AA2YV, asked if I would duplicate the knob for the radio at the right. Duplicate – No – 3D printing does not directly produce a finished part as nice as an injection molded part. It requires some follow-on process such as sanding, filling, and painting. On the other hand, if you pick the right filament and color, you get a nice replacement.



For clarity, the first parts were printed with blue filament. This would later be changed to black hopefully making painting brown a bit easier.



OLD



NEW

I agreed to duplicate the knob as best I can. The first hurdle was drawing the knob.

The profile was a bit complex: there is a slight dome on the top, 8 rectangular ribs around the perimeter, the sides and ribs have a slight draft to allow for removal from the original mold and finally

the feature for the shaft and tension spring.

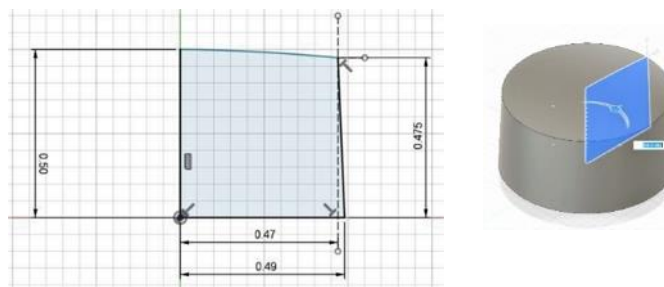
I was off on another great adventure. This wasn't a simple shape with flat sides, square corners, everything parallel or perpendicular.

Bring out the trusty calipers, paper and pencil.

My first step was making a rough dimensioned sketch. The draft, dome, ribs

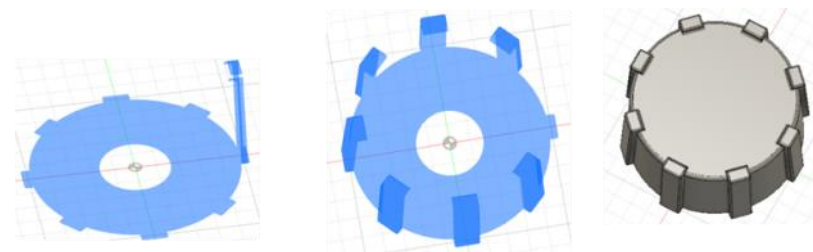
and wear from years of use made this a bit complicated.

With the sketch completed, I drew a half profile of the knob without ribs or shaft and then revolved it into the basic knob.

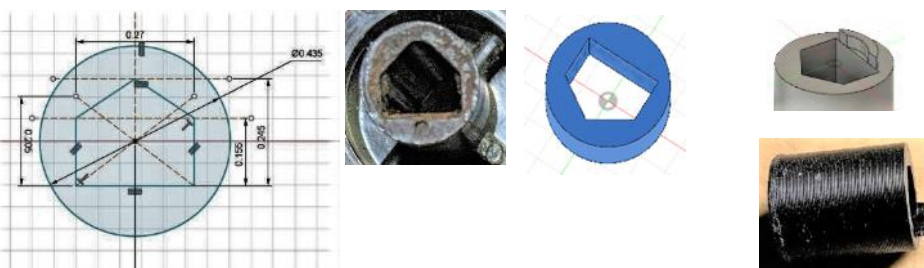


Next, I drew the profile of a rib, extruded the profile and made a pattern of 8 around the perimeter of the knob. Finally adding a taper to the rib to match the side of the knob. A hole was added to the bottom of the knob for the shaft.

NOTE: At each major step, I printed a part to be sure it looked like the drawing and see what if any adjustments were necessary.



Next the feature for the shaft was drawn, extruded and a location key was added for easy alignment of the feature with the hole in the knob.



The knob was printed as 2 parts: the main knob body and the shaft feature. Then the 2 pieces were super glued together.



FATHER & SON SHARE FIRST DX CONTACT

MIKE KENNERKNECHT, N2MAK

This summer, my oldest son, Ben (W2BMK), and I shared an amazing ham radio experience—getting our first DX contact together during a Parks on the Air (POTA) activation. Making it even more special, we did it with the very first antenna that I built.

Both Ben & I are rookie hams who got our licenses earlier this year—I'm an Amateur Extra and he's a General. We've enjoyed doing POTA, since we don't have a ham shack at our home and it gives us the opportunity to get out. Plus, my HF radio is a Xiegu G90, which is just 20 watts, and it's much easier to be the "hunted" station when you're running lower power.



In July, I ordered the KM4ACK end-fed half wave (EFHW) antenna kit. I figured it would make for an affordable and straightforward antenna build. Tim Brown, WB2PAY even came over to my QTH to give me a lesson on soldering and let me borrow his soldering iron to complete the project.



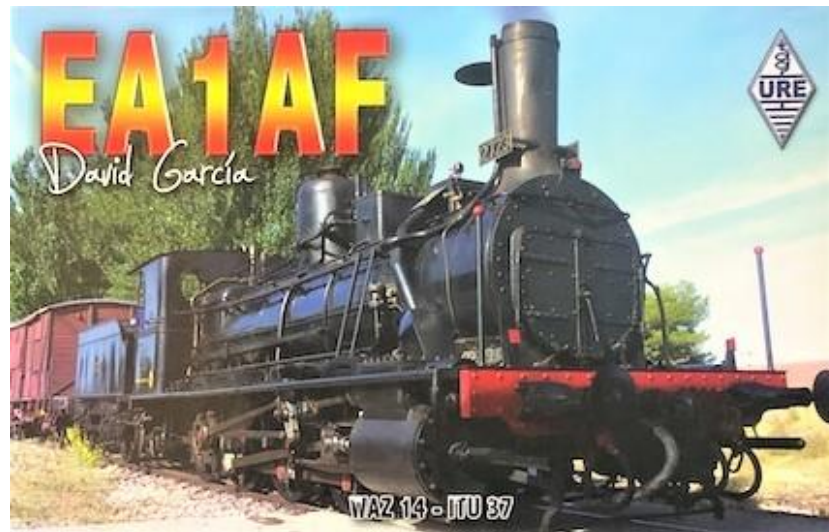
On Sunday, August 15, Ben and I went to use the antenna for a POTA activation at the Rush Oak Openings Unique Area (K-5283), just a few miles from where we live. Rather than hike in like we had before, we decided to activate from the car and use the 33' MFJ-1910 mast with a drive-over flagpole mount.

We started out our activation by hunting a few parks on 40m and then we jumped to 20m to test out the antenna

there. It wasn't long before we heard EA1AF calling us. I immediately thought I might have misheard the call sign and asked him to repeat it. Ben & I looked at each other and our eyes widened as it took a second to sink in what was happening.

We each completed our typical POTA exchange with EA1AF and he replied that we were "5-5 in Spain." We can still hear that voice in our heads and it was such a memorable moment to share. Ben and I sent QSL cards a few days later and it didn't take long for us to get QSL cards from Spain.

Since then, I've made many more contacts with EA1AF (and other DX stations in Europe) on 20m during POTA activations, using the same radio, antenna and setup. But getting that first contact was a big boost in confidence, a great learning experience and something Ben & I will never forget.



EA1AF
EE1P

David Garcia
C/ General San Martin, 2. Alico B.
34004 - Palencia
Spain

DME: 34023 - Loc: IN71SW
RTD: Venta de Baños

CONFIRMED BY
EA1AF

Confirming QSO / SWL: QSL: ☐ Bureau ☐ Direct

To Radio: Operator / QSL VIA

N2MAK Michael

DATE d/m/y	UTC	MHz	MODE	RST
15/8/2021	20:57	14.303	USB	5/5

Photo: Locating north 040-7724, called the Vampiro, year 1987, the oldest of trains in Spain, located along 24

PSE TNX

RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN

20 Years Ago, November 2001

Program Chair Marykay Vesco, KC2DPG, didn't have to work very hard in finding a program for this meeting. All she had to do was call Dick and Ed and ask are we ready? "Yep" was the immediate reply and that was all it took to get Dick Goslee, K2VCZ and Ed Gable, K2MP all ready to perform auctioneering duties at the familiar November RARA ham Auction. At this time another familiar Auction volunteer was Brad Allen (sk) KB2CHY, who provided the audio equipment, as well as the expertise in using it, so badly needed for the event. Marykay went on to explain in detail how the auction functioned and a few simple rules to follow. President Peter Fournia W2SKY, really got on his soap box, was first thought of this reader, as he went off talking about cells; terrorist cells, phone cells, storm cells and others, he went on. "These cells invade the Stuart Horse Trials, Tour de Cure, Bicycle tours and even the Hilton Applefest," Peter continued. A bad thing? No, he explained, as cells by his definition were operatives within BARK, Drumlins ARC, RDXA, the Rochester VHF Group, RARA and other Amateur organizations and individuals who are on the front line applying their time and talent to what's needed to help the community. Nice job, Peter, and well worth reading today. Bill Hopkins, AA2YV, filled an entire page telling of the exploits just defined above by Peter Fournia, by his telling of how RARA and the Drumlins ARC coordinated communications for a two-day event, the "Finger Lakes Foliage 130." Hams provide communications for such events routinely but this was over the top as participants could stop and talk to supporters over the world via 20 meter SSB. Some even got a chance to be seen on TV as a slow scan amateur television link was in operation. The event sponsor, the American Diabetes Association, remarked at the closing dinner that they enjoyed what they termed "special treatment" by the supporting radio amateurs. No, it's what we do. Speaking of doing things, what did we do to Bill Hopkins, AA2YV? Turn to page 5 of this issue and there is another full page, plus a little, of his writing this time titled "Fish Stories and Boat Anchors." I'll be back in a minute, must get a cup of coffee for this... OK, I'm back. Bill's delightful story was about building a first-time solid state regenerative receiver. He learned; No, 5.6Mhz is not close enough to 40 meters, No, Radio Moscow doesn't count for DXCC, Yes, the type of core material does make a difference, yes, you may now rewind the four toroid coils, yes those little tins that fish come in do make nice project containers, wash 'em first. Writing for the Antique Wireless Association, Museum Curator Ed Gable K2MP/W2AN, told of the museum's closing for the winter after a successful season. He continued by reporting of new exhibits that included the "Made in Rochester Display" (still popular by visitors today) and the working teletype display with model 19's in full clatter mode. George Platteter (sk) AA2FO, from RARA's Licensing Team, wrote to tell that RARA is using a different VEC Coordinator, although he didn't say which one, but did assure faster service. No preregistration is required but that can be done upon arrival at the 111 Westfall Road testing site. There were no silent keys reported in this issue. From the Want Ads you could buy a Cushcraft R7000 40 thru 10-meter vertical, new and unused for \$325 from Paul, W3IEE. RARA, with Rag advertising space available for your business ads, remains a long-term commercial advertiser.



the RARA RAG

Published by
ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL.54

NOVEMBER 2001

NO. 3

Annual RARA Members Auction November 2, 2001

Marykay Vesco, KC2DPG

It's that time of year again for our annual auction; it's so exciting! As tradition has it, our auctioneers and comedy entertainment will be hosted by our very own Great Amateur Radio Experts: Ed Gable, K2MP and Dick Goslee, K2VCZ; accompanied by Brad Allen, KB2CHY, our Expert Sound Effects and Audio Engineer. So let's dig out that surplus equipment that's just sitting in your shack or garage and watch these experts extract the highest bid for your hidden treasures. This auction is also, a great way to find that elusive and inexpensive piece or pieces of equipment you have been waiting for but just couldn't get your hands onto. It is also a nice way for your other half to approve of a purchase or sale of radio equipment.

Doors will open at 7:00 P.M., so that sellers may come early to place your equipment on the tables; and buyers may come early to preview the selections and to plan buying strategies. There will be no regular business meeting this month, so the auction will start promptly at 8:00 P.M. If you are late, you may miss some exciting opportunities.

OK, down to business. As you all know we have some very important but simple rules to be followed to make this buying and selling auction a great and fair experience for everyone.

RARA assesses a fee of 10% on each sale (this benefits the club and is an important fundraiser for paying the bills). The seller pays the fee from the proceeds of the sale. Both the seller and the buyer must come forward to the Treasures table as soon as the item is declared SOLD by the auctioneers. This is a Members only auction; therefore, you must be a RARA

member to gain entrance to the auction. Forgot to pay your dues, don't worry membership renewals may be paid the night of the auction! Each paid member may bring ONE guest to the auction. Please respect the auction protocol, NO PARKING LOT SALES or SALES PRIOR TO THE START OF THE AUCTION. As stated before, this event will benefit your club and is a very important fundraiser for paying our bills. Don't forget donations to RARA are tax deductible!

So treat yourself to a fun, exciting, and entertaining Friday evening with your fellow amateur radio friends. Doors open at 7:00 P.M. and auction starts promptly at 8:00 P.M. at the Henrietta Fire Hall, 3129 E Henrietta Road. As always, refreshments will be available!

Annual RARA Auction

November 2, 2001

Henrietta Fire Hall,
3129 E. Henrietta Rd.

Auctioneers

Ed Gable, K2MP
And
Dick Goslee, K2VCZ

Then, as now, the November 1981 RARA meeting was the long-term annual auction. With, and I quote "Smilin' Ed Gable, K2MP, pounding the gavel." A timely article was written by Ron Jakubowski, K2RJ, titled "How to be Successful at Auction." Therein Ron stated tips on selling your used ham equipment. A tip your auctioneer, with over forty years of experience, is to always correctly and honestly state the operating condition of the item. Irv Goodman, AF2K, the then RARA membership chairman, reported that RARA had 917 members including 116 new members for the year. Writing for the RDXA was Rick Berg, WA2RLQ, who wrote on DX operating techniques. This time he reminded DX'ers to always listen to the DX station and try to pick up his/her operating style, such as always moving up 1 kHz after each QSO. From the ARRL ballot voting letter we find that local RARA member Alan Komenski, AC2K, is on the ballot running for Vice-Director of the Atlantic Division. Filling a coverage void in Rochester area repeaters, the Xerox ARC just announced that they have added WB2IMT/R, 224.68/223.08, to the Rochester airwaves. Running 175 watts ERP from on top of the Xerox Tower Building downtown, the new machine offers wide area coverage and has demonstrated full quieting handheld coverage in Monroe County. Also on the local repeater scene, Ron Jakubowski, K2RJ, told of a problem with RRRA's 28/88 repeater with becoming desensed by external transmitters on Cobbs Hill. The solution will be a remote receiver to be installed in December. Bruce Blair, WB2QKO, wrote in this issue a report detailing the just completed Palmyra Canal Town Days where some 23 area hams used 2-meter FM links to handle needed communications to coordinate the event. A very nice free service initiated by the Rochester Rundel Public Library is look up service for call signs in the latest issue of the Callbook. Provided to the library by RARA, the Callbook can be accessed by calling 428-7372 and asking the librarian to look up the callsign. This writer remembers the service and it worked well. With regret it was reported that Haywood Parker, K2YMM and Connie Mac, W3SW, were reported as Silent Keys. Connie Mac was a former Director of the ARRL Atlantic Division and a good friend and supporter of RARA. From the Want Ads you could buy a Kenwood TS-700A multi-mode 2 mtr Xcvr from Sax Ringler, W2SAW. Norm Webb, K2PPO, advertised his Amateur and Commercial equipment Repair Service as a commercial advertiser.

The RARA RAG

Published by

The Rochester Amateur Radio Association
INCORPORATED

VOL. 34

NOVEMBER 1981

NO. 3

AUCTION! AUCTION! NOVEMBER 6th MEETING

The annual RaRa Auction will take place at the Rochester Police and Fire Academy on Scottsville Road opposite the Monroe County Airport on Friday, November 6. Chief Auctioneer, "Smilin' Ed" Gable, K2MP, will pound the gavel at 8:00 p.m. sharp. The auditorium will be open about 7 p.m. for set-up and browsing. All RaRa members are welcome, and members may bring one guest. The membership chairman will be at the door for the convenience of those who wish to join or renew their memberships.

Please note that the club does not assume any responsibility for the condition of items sold. All items are auctioned "as-is" "where is" unless the seller specifies otherwise. The club collects 10% of the purchase price from the seller after the item has been sold.

BILL PROPOSED TO EXEMPT HAM GEAR FROM SALES TAX

Legislation will be introduced into the current session of the New York State Legislature to exempt bona-fide Amateur Radio equipment from state (and local) sales tax. The bill will recognize the emergency and public-service communications aspect of Amateur Radio and the technical sophistication of the equipment needed. The passage of this bill would also tend to make Amateur Radio suppliers in New York competitive with the out-of-state outlets and may even cause more of them to spring up. Write your state assemblymen and state senators and ask that they endorse and even co-sponsor this bill.

RDXA MEETS NOVEMBER 17th

The Rochester DX Association will meet at the Colonial Hotel, 1129 Empire Boulevard at 8:15 p.m. on Tuesday, November 17th.

The program for that evening will be announced in the meeting notice sent to the members by mail. See you there, if you can tear yourself away from the good "condx" lately.

HOW TO BE SUCCESSFUL AT AUCTION

by Ronald Jakubowski, K2RJ

The following hints, gathered through experience by attending many ham radio auctions should help you get a fair price for the items you put on the block. To be successful at auction, however, you must be willing to take a chance. Hams do not come to an auction expecting to pay list price for a piece of unknown equipment. A ham must be made to believe that he is getting a bargain.

1. Avoid putting a minimum bid on anything. They tend to turn people off. If you feel compelled to state a minimum, either make it the rock-bottom lowest you will consider, or else make it higher and be prepared to "Chinese" it. A Chinese auction is one in which the auctioneer starts going down in price by some increment and the first person to bid on it buys it. If two or more people bid at the same time, the auctioneer will start to bid it up again.

2. Avoid bringing large boxes of non-descript junk. "Junk" usually gets a good price at auction, but only when it looks attractive and the price is right. Pick out some of the better-looking "treasures" from your junk box, clean them up and throw the rest out. You may be pleasantly surprised.

3. Don't sell an item before it is put up for auction. If one person is interested, chances are that several more are interested also. You may sell your item at the minimum when it could have been bid up to several times that amount.

4. Make sure that your item is well-marked with the description, condition, your name and callsign and any other information that will help the auctioneer get top dollar for it.

SILENT KEYS

W3SW, "Connie Mac" in his home at Bethesda, Maryland. Former Director of our Atlantic Division of the ARRL, also SSB pioneer and engineer with the Naval Research Lab.

K2YMM, Haywood Parker, Jr., Pittsford, New York.

VE TEAM

Testing on Saturday November 20, 2021
At a NEW LOCATION
Returning to RIT
ROCHESTER INSTITUTE OF TECHNOLOGY

Building 16 - **Schmitt Interfaith Center**
 43.08402626755475, -77.6734520379509

Parking: **U-Lot**
 43.08261562973969, -77.6739921659069
 It is off Andrews Memorial Drive

Room: **Skalny Room (SMT-A500)** there is an access door by the dock marked by the blue arrow.

Pre-registration is required visit:

<https://hamstudy.org/sessions/laurel/14612/inperson> to find the latest session.

COVID questionnaire and masks required:

<https://rochesterham.org/documents/education/2020-10-09%20COVID-19%20Questionnaire%20Form.pdf>

More information is available on the RARA website:

https://rochesterham.org/license_testing.htm

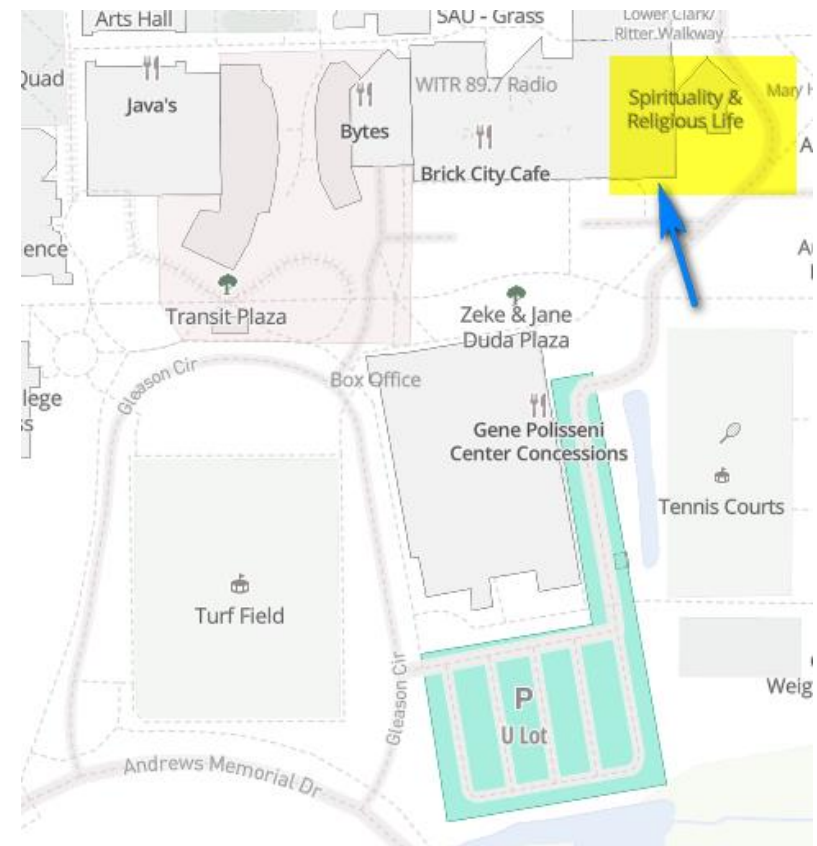
Applicants must supply their own PPE (Mask is a minimum), pen, pencil, calculator and be COVID negative and symptom free

Testing begins at 10:00AM.

Testing is free!

James Davis	KD2WXU	G	James Halbert	KD2YDK	T
Jeffery Sonstein	WA2RRB	E	Brayden Werner	KD2YDL	T

New licensees names are in BOLD



RaRa CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

November 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS SK Memorial Contest WW SSB Activity Contest ARS Spartan Sprint RTTYOPS Weekspint	2 RTTYOPS Weekspint Phone Weekly Test Fray K1USN Slow Speed Test	3 RaRa Annual Auction at BSA 7pm (NO ONLINE) ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test VHF/UHF FT8 Activity Contest UKEICC 80M Contest	4 RaRa BoD 6:30pm ONLINE ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weekspint NCCC Sprints EACW Meeting NRAU 10M Activity Contest SKCC Sprint Europe	5 ROC City Net 28.405 MHz, 7:30p K1USN Slow Speed Test Walk for the Bacon QRP Contest	6 RaRa Elmers Corner 10am Walk for the Bacon QRP Contest NCCC Sprints IPARC Contest CW Ukrainian DX Contest Two Meter Classic Sprint ARRL Sweepstakes, CW
7 Ukrainian DX Contest High Speed Club CW Contest EANET Sprint ARRL Sweepstakes, CW	8 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS WW SSB Activity Contest	9 RTTYOPS Weekspint Phone Weekly Test Fray K1USN Slow Speed Test	10 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test VHF/UHF FT8 Activity Contest RSGB 80M Contest Series, SSB	11 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weekspint NCCC Sprints EACW Meeting	12 ROC City Net 28.405 MHz, 7:30p K1USN Slow Speed Test	13 WAE DX Contest, RTTY PODXS 070 Club Triple Play 10-10 Fall Contest, Digital CQ-WE Contest AWA Bruce Kelley 1929 Party OK/OM DX Contest, CW J1DX Phone Contest FISTS Saturday Sprint SKCC Sprintathon
14 WAE DX Contest, RTTY PODXS 070 Club Triple Play 10-10 Fall Contest, Digital CQ-WE Contest AWA Bruce Kelley 1929 Party OK/OM DX Contest, CW J1DX Phone Contest FIRAC HF Contest SKCC Sprintathon	15 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS	16 RTTYOPS Weekspint Phone Weekly Test Fray K1USN Slow Speed Test	17 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test WW SSB Activity Contest	18 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weekspint NCCC Sprints	19 ROC City Net 28.405 MHz, 7:30p K1USN Slow Speed Test Walk for the Bacon QRP Contest NAQCC CW Sprint YO International PSK31 Contest	20 Licesnse Testing at RIT Walk for the Bacon QRP Contest ARRL EME Contest ARRL Sweepstakes, SSB LZ DX Contest All Austria 160M Contest RSGB 1.8MHz Contest SARL Field Day Contest
21 ARRL EME Contest ARRL Sweepstakes, SSB LZ DX Contest SARL Field Day Contest RTTYOPS Weekend Sprint Homebrew and Oldtime Equipt Party FISTS Sunday Sprint Walk for the Bacon QRP Contest	22 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS	23 RTTYOPS Weekspint Phone Weekly Test Fray K1USN Slow Speed Test	24 ROC City Net 3.810 MHz, 7 pm CW Ops Mini-CWT Test	25 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.200 USB RTTYOPS Weekspint NCCC Sprints EACW Meeting SKCC Sprint RSGB 80M Contest Series, CW	26 ROC City Net 28.405 MHz, 7:30p K1USN Slow Speed Test	27 CQ Worldwide DX Contest, CW
28	29 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SS RSGB FT4 Contest Series	30 RTTYOPS Weekspint Phone Weekly Test Fray K1USN Slow Speed Test				

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. Anyone interested, members and non-members, are welcome to attend.

Until further notice, our meetings are via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: secretary@monroecountymcomm.org.

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the N2MPE 146.61 MHz (-) 110.9 Hz PL and 444.45 MHz (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC.

There is no net on nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountymcomm.org

Facebook : Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

Severe Weather Alerts: Winter may bring severe weather in the form of heavy snow storms, strong winds, and flooding. If you experience severe weather, especially when accompanied by damage to property in your area, listen to your local ARES/RACES repeaters for information. While official ARES/RACES activation could be a possibility, it is more important that we open a spontaneous net simply to share information about weather conditions in your immediate area. Don't wait for someone else to do it. Pick up the microphone and start a net. Have each check-in station give you a situational awareness report and emergency power report. If you don't have a copy of the directed net protocol, you can find one at the WEB address listed above. (Activities/ARES Net/ Net Script/ Downloads). We encourage all amateur radio operators to take a free Skywarn TM class offered by the National Weather Service. The schedule of classes can be found at <https://www.weather.gov/buf/skywarn>

Monroe County ARES
Ralph Dutcher, Net Control - KD2BDZ@arri.net

ROCHESTER DX ASSOCIATION, RDXA

In Person Meeting - Tuesday November 16, 2021 at 7:00pm

The next meeting will be at Johnny's Irish Pub,
1382 Culver Road.



NOTE: Earlier start time and new location.
Plenty of free parking alongside and behind the pub.

All are welcome.

Check our web site: www.rdxa.com.

ROCHESTER RADIO REPEATER ASSOCIATION

The Rochester Radio Repeater Association, RRRA will be having its regular meeting on November 19th at the Pittsford Town Hall's meeting room. We will discontinue Zoom meetings on our regularly scheduled meeting nights for now. If you're not vaccinated or feel threatened remember masks are always welcome.

At November's meeting we will be taking suggestions to modernize our bylaws by everybody in attendance. If all goes well, we will be adopting the new bylaws after December's meeting. All members should be receiving a current copy of our bylaws in their email soon.

Stay tuned to our web site, www.k2rra.org for current information on any changes to our meeting place. The elected RRRA officers for 2020 - 2021 are, Bob Shewell, N2HJD, President, Bob ODell, N2BZX, Vice President, ED Wilkon-ski, KC2WM Secretary, and Bob Smith, NS2B-Treasurer / Membership Chair-man. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site. www.k2rra.org

XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club is not having in-person meetings at this time. We are having online meetings usually on the second Thursday of the months Sept-June. Get the latest updates at <http://xarc.us>

ROCHESTER VHF GROUP

You are invited to join us on-line & on-the-air! We're here to help you to use the license that you worked so hard to get.



Check out what we do by visiting our website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message to RVHFG+subscribe@groups.io.

**Join our weekly on-the-air nets on SSB:
2 meter band - Monday 9 PM 144.260 USB
6 meter band - Thursday 9 PM 50.200 USB**

**No VHF SSB radio (yet) to join the nets?
Log-in to Echolink [ka2ene-L #23426](#)**

We can help to answer the question, "What radio should I buy?" Here's a list of HF+++ radios, those with the HF bands and at least three VHF bands, giving you access to all sorts of VHF fun. Research each one to see which serves you best. Ask questions on our email list. We're here to help!

Yaesu FT-100D	Yaesu FT-817	Yaesu FT-818
Yaesu FT-847	Yaesu FT-857	Yaesu FT-897
Icom IC-706MKIIG	Icom IC-7000	Icom IC-7100
Icom IC-9100	Kenwood TS-2000	

Some are older models and some are newer models, but all provide access to the 6 meter, 2 meter, and 70 centimeter bands using both traditional FM and the exciting narrow-band SSB mode that supports unexpectedly long-distance (100's of km's routinely and 1,000's of km occasionally) VHF communication. These are good all-around radios no matter what club you end up affiliating with later. We hope its us.

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

Currently, ARAST meets the third Thursday of every month at the Emergency Communications Center on Harris Hill in Big Flats, next to the National Soaring Museum. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month except February at the same location. Both organizations serve amateurs in Chemung, Steuben and Schuyler counties in New York and Bradford and Tioga counties in Pennsylvania. All are welcome to attend our meetings.

NOTE: Both CCARES and ARAST monthly meetings are now being held both in person and online. Check out the Upcoming Events at our website, www.arast.info, for the latest details.

Don't forget to check out our repeaters when you visit the area. N3AQ 147.36(+) and the W2ZJ 146.70(-) are the principal 2-meter repeaters. The latter can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters that can be heard in the Twin Tiers area surrounding Chemung County can be found at http://www.arast.info/arast_website/public/repeaters.php.

We also invite you to check out our new 6 meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. The net usually lasts approximately one hour. Operators are encouraged to check in and participate in the round table discussions or simply stop by from time to time. Topics are wide-reaching and are not confined to 6 meters--although discussions tend to center around 6-meter equipment, antennas, propagation, latest band openings and grid squares worked, as well as AM, FM and FT-8 use of the 6-meter band. We would welcome more participation from the western part of our area.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

Hello everyone. The Keuka Lake Amateur Radio Association held their election of officers. They are as follows:

- President Jim Caneen, W2JTC
- VP Preston Skillman, W2CAZ
- Treasurer Jerrilyn Baker, KE2YB
- Secretary Belinda Connor, KD2BPJ
- Trustees John Babbitt, K2GQG
Harold Schaumburg, N2MFS
Jonathan Marmor, AD2AE

Our Hamfest went very well. Breakfast was good, a nice number of tailgators, lots of camaraderie and beautiful weather.

Stay safe, be well and hope to talk with you on the radio.

ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2nd Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00PM, meeting starts at 7:30PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two meter net every Tuesday night at 9:00PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be Wednesday, November 10th and will be inside at the Safety Training Facility. We will start the meeting at 7:30 PM. Masks and social distancing will be required even if you are vaccinated. There will be License Exam Testing starting at 6:30PM. Check the SIARC website for updates. <http://www.siarc.us/>

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY), Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate.

GENESEE VALLEY AMATEUR RADIO ASSOCIATION

Email n3dsp@lafireline.net for details.

INTERLOCK ROCHESTER - K2HAX - ROCHESTER'S HACKERSPACE

Visit our website at <http://www.interlockroc.org/>, contact us at info@interlockroc.org, or find us in #interlock on Freenode IRC.

ROCHESTER MAKERSPACE

For more information visit <https://www.makerspacerochester.org/hamradio>

ASTRONOMY SECTION ROCHESTER ACADEMY OF SCIENCE

For more information visit <http://www.rochesterastronomy.org/>

RAG ARTICLE LAYOUT HINTS

- Orientation - Landscape
- Main Text Box H - 7.7, W - 10.4
- 2 columns, 0.3 spacing between columns
- Font: Arial
- Title: 20 pt, Bold, Small Caps
- Author: 10 pt, Bold, Small Caps
- Main Text: 10 pt
- Single space after periods
- Text Alignment: Justified
- Title & Author Alignment: Centered
- No special formatting
- Try to limit pictures to the width of a column
- Picture Format: jpg or png
- Document format: Microsoft Word compatible or text. No special embedded formatting.

RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

President:		president@rochesterham.org	Treasurer:		treasurer@rochesterham.org
Tim Barrett, K9VB	(646) 496-5015		Mike Moore, KC2NM	(585) 721-0011	
Vice-President:		vicepresident@rochesterham.org	Secretary:		secretary@rochesterham.org
Scott Theis, W2LW	(845) 774-9809		Karl Heinz Kremer, K5KHK	(585) 210-0840	

DIRECTORS

Paul Conaway, KD2DO	(585) 506-5538	ConawayNY@aol.com	Mike Kennerknecht, N2MAK	(585) 754-2444	makennerknecht@gmail.com
David Enright, K3WHD	(585) 737-3657	denright1228@gmail.com	Brian O'Connor, KA2CGB	(585) 721-2346	ka2cgb@gmail.com
Tim Guyot, KB1POP	(585) 406-3163	timguyot@gmail.com			

ACTIVITY COORDINATORS

Club Historian	Ed Gable, K2MP	egable@rochester.rr.com	QSL MANAGER	Dave Enright, K3WHD	denright1228@gmail.com
Club Station Trustee	Dave Enright, K3WHD	denright1228@gmail.com	Raffle Administrators	Forest Shick, WA2MZG Jeff Sonstein, KD2RRB	wa2mzg@arrl.net
Education Coordinator	Karl Heinz Kremer, K5KHK	education@rochesterham.org	RARA Academy	Your Name Here	Please Volunteer
Elmers Corner	Richard Bishopp, KD2UBJ Suzanne Bishopp, W2SUZ	elmerscorner@education.org	RARA RAG Editor Proof Readers	Forest Shick, WA2MZG Susan Aiello, W2SBA Dave Wilson, WA2HOY Mark Pedersen, KC2UES	editor@rochesterham.org
License Classes	Karl Heinz Kremer, K5KHK	education@rochesterham.org	Refreshments	Rich Hoffarth, K2AXP	rhoffarth2000@yahoo.com
Hamfest Co-Producers	Tim Guyot, KB1POP George Lama, KC2OXJ Mike Moore, KC2NM Dave Mitchell, KD2RAF Brian Duff, WM2W	hfproducer@rochesterham.org	Reward Points Administrator	Tim Barrett, K9VB	tim.k9vb@gmail.com
Media Communications	Tim Guyot, KB1POP	timguyot@gmail.com	Telephone Hotline	Scott Theis, W2LW	sa_theis@hotmail.com
Membership Secretary	Tim Barrett, K9VB	membership@rochesterham.org	VE Team	Don Kiser, AC2EV	dkiser100@gmail.com
Public Service	Mike Moore, KC2NM	pub-licservice@rochesterham.org	Webmaster	Scott Theis, W2LW	webmaster@rochesterham.org

ROCHESTER AREA RADIO CLUB CONTACTS

Antique Wireless Association (AWA)

Lynn Bisha, W2BSN: lbisha@rochester.rr.com

Amateur Radio Association of the Southern Tier (ARAST)

Reiner Dieg, N2PEZ: n2pez@arri.net

Astronomy Section Rochester Academy of Science

Mark Minarich: mminaric@rochester.rr.com

Community Amateur Radio Club (CARC)

Joe Gangi, AC2NB: ac2nb.carc@gmail.com

Digital Communications Association of Perinton (DCAP)

Gary Skuse, KA1NJL: ka1njl@arri.net

Drumlins Amateur Radio Club Ltd. (DARC)

drumlinsarc@gmail.com

Fisherman's Net Amateur Radio Club

Jim Sutton, N2OPS: jim@otrym.org

Genesee Valley Amateur Radio Assn.

Bill Boyd, N3DSP: N3DSP@lafireline.net

Keuka Lake Amateur Radio Association (KLARA)

Jim Caneen, W2JTC: jcpilot@localnet.com

Monroe County ARES / RACES

Dave Timmons, W2DST: dstimmons@gmail.com

Orleans County Amateur Radio Club (OCARC)

Terry Cook, K2EYS: k2eyes@ocarc.us

Rochester Amateur Radio Association (RARA)

Tim Barrett, K9VB: president@rochesterham.org

Rochester Institute of Technology ARC

Jim Stefano, W2COP: wireless@mail.rit.edu

ROC City Net

Joe Merolillo, K2ZX: k2zx52@gmail.com

Rochester DX Association (RDXA)

Chris Shalvoy, K2CS: cshalvoy@att.net

Rochester Makerspace

David Duckles: rocmakers@gmail.com

Rochester Radio Repeater Association (RRRA)

Bob Shewell, N2HJD: bshewell@frontiernet.net

Rochester VHF Group (RVHFG)

Rus Healy, K2UA: chairman@rvhfg.org

Squaw Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR: sbenton2@rochester.rr.com

XRX Amateur Radio Club

Brian Donovan, K2AS: k2as@outlook.com

DECEMBER RAG DEADLINE

NOVEMBER 15, 2021

**RARA MEETS AT 7PM ON THE FIRST
WEDNESDAY OF EACH MONTH.**

JOIN US IN PERSON AT








SENECA WATERWAYS COUNCIL, BSA HEADQUARTERS
2320 BRIGHTON HENRIETTA TOWN LINE RD
ROCHESTER, NEW YORK 14623

CONTACT WEBMASTER@ROCHESTERHAM.ORG FOR SUPPORT

Rochester Area Repeater Listing

THE RARA RAG

Published by
Rochester Amateur Radio Association, Inc.
P.O. Box 93333, Rochester, NY, 14692-8333
Hotline – (585) 210- 8910
Website – <http://www.rochesterham.org>

Auction Item Description						
seller's callsign	make and model			reserve price		
description						
condition: (circle one)						
as new recently tested OK operational when retired unknown repairable for parts						
Description and condition information presented by the seller is assumed to be complete and accurate. All sales are on an as-is where-is basis. Cash settlement only. All sales are final.				buyer's callsign	sales price	
interested bidders: attach your token below						
						

Auction Item Description						
seller's callsign	make and model			reserve price		
description						
condition: (circle one)						
as new recently tested OK operational when retired unknown repairable for parts						
Description and condition information presented by the seller is assumed to be complete and accurate. All sales are on an as-is where-is basis. Cash settlement only. All sales are final.				buyer's callsign	sales price	
interested bidders: attach your token below						
